

IN THE SPECIFICATION

Please amend the paragraphs beginning on page 46, line 1, through page 49, line 18, of the specification as follows:

FIG.-4

INPUT SIGNAL

CONSTANT ENVELOPE SIGNAL GENERATING SECTION 11-

COMBINING SECTION 14-

OUTPUT SIGNAL

FIG.-3

INPUT SIGNALS s_i, s_q

CONSTANT ENVELOPE SIGNAL IQ GENERATING SECTION 15-

D/A CONVERTER 16A, 16B, 16C, 16D

PHASE SHIFTER

LOCAL OSCILLATOR

PHASE SHIFTER

COMBINING SECTION 14

OUTPUT SIGNAL

FIG.-4, FIG.-7

INPUT SIGNAL s_i

INPUT SIGNAL s_q

CONSTANT ENVELOPE SIGNAL GENERATING SECTION 101-
PILOT SIGNAL GENERATING SECTION 102-
AMPLITUDE ADJUSTMENT SECTION 119-
PHASE ADJUSTMENT SECTION 120-
CONTROL SECTION 115-
D/A CONVERTER 106A-
D/A CONVERTER 106B-
A/D CONVERTER 118-
LOCAL OSCILLATOR 109-
FREQUENCY CONVERTER 116-
COMBINER 113-

FIG. 6A

AMPLITUDE
SECOND PILOT SIGNAL COMPONENT
FIRST PILOT SIGNAL COMPONENT
DESIRED SIGNAL COMPONENT
FREQUENCY

FIG. 6B

AMPLITUDE
FIRST PILOT SIGNAL COMPONENT

SECOND PILOT SIGNAL COMPONENT
DESIRED SIGNAL COMPONENT
FREQUENCY

FIG.-6C

AMPLITUDE
SECOND PILOT SIGNAL COMPONENT
FIRST PILOT SIGNAL COMPONENT

PASS FREQUENCY CHARACTERISTIC OF LPF 117 FOR PILOT SIGNAL

DETECTION USE

FREQUENCY

FIG.-8, FIG.-9

AMPLITUDE
FIRST PILOT SIGNAL COMPONENT
SECOND PILOT SIGNAL COMPONENT
DESIRED SIGNAL COMPONENT
FREQUENCY

FIG.-10 (FIG. 44)

FREQUENCY CHARACTERISTIC CORRECTION SECTION 301-
CONTROL SECTION 303-

PILOT-SIGNAL GENERATING SECTION 304-

FREQUENCY CONVERTER 305-

A/D CONVERTER 307

FIG.11

GAIN

DESIRED-SIGNAL BAND

FREQUENCY

FIG.12

PHASE

DESIRED-SIGNAL BAND

FREQUENCY

FIG.13

AMPLITUDE

LOWER-SIDE FREQUENCY BAND

PILOT-SIGNAL COMPONENT

UPPER-SIDE FREQUENCY BAND

PILOT SIGNAL COMPONENT

DESIRED-SIGNAL

FREQUENCY

FIG. 14

GAIN FREQUENCY CHARACTERISTIC #1
DESIRED SIGNAL BAND
GAIN FREQUENCY CHARACTERISTIC #2
FREQUENCY

FIG. 15

AMPLIFIER CIRCUIT 100
CONTROL SECTION 115
LOCAL OSCILLATOR 109
MODEM 404
WIRELESS RECEIVER 403
ANTENNA DUPLEXER 402